

## Safety, Capacity, Maintenance and Major Repairs

FY1998 Phase 1 (Funded from unrestricted FY 1998 funds)

<b><u>Budget</u></b>	<b><u>Project Titles</u></b>	<b><u>Site</u></b>
\$150,000	Site Alarm System and Fire Safety Upgrades	Gaithersburg
\$5,000,000	Emissions Control System Replacement - Building 205	Gaithersburg
\$442,000	Hazardous Material Removal	Gaithersburg
\$650,000	HVAC Replacement Projects, Building 24 (Anechoic Labs) and Building 2.	Boulder
\$300,000	Environmental/Ecological Health and Safety Project	Gaithersburg
\$250,000	Utility Condition/Code Compliance Study (by Architect/Engineer)	Boulder
\$3,650,000	Chiller Replacement - Building 302	Gaithersburg
\$700,000	Telecommunications: Backbone ATM Migration Upgrade - (e.g. asynchronous transfer mode (ATM) supporting video and multimedia)	Gaithersburg
\$500,000	Handicapped Access Projects and Roof and Road Repairs, etc.	Gaithersburg
\$300,000	Fire Water Line Replacements	Boulder
\$160,000	Parallel Systems to Facilitate Infrastructure Replacements - Design Only	Boulder
\$100,000	Condenser Water Pumps And Construction of Cooling Tower Cell #7 - Replacement - Building 302	Gaithersburg
\$400,000	Electrical Replacements (Switchgear, Bus Duct, Transformers, etc)	Boulder
\$220,000	Fire Doors	Boulder
\$600,000	Compressed Air System Replacements in Buildings 1, 2, 3 and 24	Boulder
\$100,000	Boiler - Construction Contingency - Building 302	Gaithersburg
\$400,000	Site & Bldg Sewer & Water Systems Replacement - Systems Serving Buildings 1, 2, 3 & 24	Boulder
\$160,000	Sanitary Sewer Replacement	Boulder
\$250,000	Site Safety Structural Repairs	Gaithersburg
\$130,000	Electrical System Maintenance/Utility Replacements - Design Only	Boulder
\$200,000	Ductwork Cleaning - General Purpose Laboratories' HVAC Systems (Aging)	Gaithersburg
\$600,000	Asbestos Remediation Related to Fire Protection Utility Replacements & Air Quality Improvements	Boulder
\$450,000	Equipment Cooling Systems Installation/Replacements in Buildings 1, 2 and 3.	Boulder
\$200,000	Site Electrical Transformers and Network Protectors - Replacement	Gaithersburg
\$250,000	Exterior Concrete Surface Maintenance	Boulder
\$530,000	Hazardous Materials Removal	Boulder

**\$16,692,000**

**Notes:** 1. Above projects are arranged in descending order of priority.  
2. Project priorities are adjusted when necessary to meet changing demands and/or funding levels.

## Safety, Capacity, Maintenance and Major Repairs

FY1998 Phase 2 (Funded from restricted FY 1998 funds)

<b><u>Budget</u></b>	<b><u>Project Titles</u></b>	<b><u>Site</u></b>
\$350,000	Site Alarm System and Fire Safety Upgrades	Gaithersburg
\$1,000,000	Emissions Control System Replacement - Building 205	Gaithersburg
\$258,000	Hazardous Material Removal	Gaithersburg
\$100,000	Environmental/Ecological Health and Safety Project	Gaithersburg
\$550,000	Cleanroom Upgrades	Boulder
\$1,350,000	Chiller Replacement - Building 302	Gaithersburg
\$3,900,000	Site Telecommunications Systems (Upgrade/Replacement) - PBX Upgrade, computer security firewall/router and network upgrade.	Gaithersburg
\$300,000	Site Electrical Switchgear Replacement, A-Board (277/480V) & B-Board (120/208V)	Gaithersburg
\$850,000	Handicapped Access Projects and Roof and Road Repairs, etc.	Gaithersburg
\$100,000	Condenser Water Pumps And Construction of Cooling Tower Cell #7 - Replacement - Building 302	Gaithersburg
\$700,000	Site Electrical Distribution System Upgrade, Incl. Substation	Gaithersburg
\$50,000	Boiler - Construction Contingency - Building 302	Gaithersburg
\$1,000,000	Roofs - Repairs/Replacements	Boulder
\$250,000	Site Safety Structural Repairs	Gaithersburg
\$400,000	Ductwork Cleaning - General Purpose Laboratories' HVAC Systems (Aging)	Gaithersburg
\$500,000	Site Exterior Utilities Replacement (Chilled Water Piping and Valve Replacement)	Gaithersburg
\$500,000	Site Exterior Utilities Replacement (Steam and Condensate Pipe Replacement), Incl Manholes	Gaithersburg
\$100,000	Site Exterior Utilities Replacement (Sewer System Replacement of Existing Sewage Ejection system)	Gaithersburg
\$500,000	Site Exterior Utilities Replacement (Compressed Air System Extension, Bldgs. 235, 205, 206, 236 & 312)	Gaithersburg
\$500,000	Equipment Cooling Systems Installation/Replacements in Buildings 1, 2 and 3.	Boulder
\$450,000	Site Exterior Utilities Replacement (Storm Water, Sanitary Sewer, Domestic Water, and Natural Gas)	Gaithersburg
\$400,000	Mechanical Systems Remediation/Replacement (Building Piping and HVAC Systems)	Gaithersburg
\$200,000	HVAC & Electrical Upgrade for Super-Computer	Gaithersburg
\$200,000	Site Chilled Water Storage System	Gaithersburg
\$400,000	Site Energy Conservation Projects	Gaithersburg
\$400,000	Roads - Repairs/Replacements	Boulder

**\$15,308,000**

- Notes:**
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  2. Project priorities are adjusted when necessary to meet changing demands and/or funding levels.

## Safety, Capacity, Maintenance and Major Repairs

FY1999 (Pending Approval of President's Budget)

<b><u>Budget</u></b>	<b><u>Project Titles</u></b>	<b><u>Site</u></b>
\$300,000	Site Alarm System and Fire Safety Upgrades	Gaithersburg
\$600,000	Hazardous Material Removal	Gaithersburg
\$800,000	Chiller Compressor Replacement and Relocation of Condenser Cooling Towers Off Roof of Building 1, Wing 1 and Central Spine.	Boulder
\$700,000	Electrical Power Distribution System and Voice and Data Communication Systems in Building 1, Wings 1 and 2 and North Central Spine	Boulder
\$500,000	Hazardous Material Removal and Architectural Repairs and Replacement in Building 1, Wing 1 and Center Spine.	Boulder
\$800,000	Heating System Replacement, Building 1, Wing 1	Boulder
\$700,000	Utility Distribution System In Reclaimed Clerestory High Bay Area of Building 1, Wings 1 and 2	Boulder
\$200,000	Environmental/Ecological Health and Safety Project	Gaithersburg
\$400,000	Chiller Replacement - Building 302	Gaithersburg
\$100,000	Repair and Selective Decommissioning and Recommissioning of Building 222 Vacant Space, Fixtures and Equipment- Study/Design Only	Gaithersburg
\$900,000	Handicapped Access Projects and Roof and Road Repairs, etc.	Gaithersburg
\$400,000	Site Electrical Switchgear Replacement, A-Board (277/480V) & B-Board (120/208V)	Gaithersburg
\$500,000	Roofs - Repairs/Replacements	Boulder
\$1,500,000	Site Electrical Distribution System Upgrade, Incl. Substation	Gaithersburg
\$300,000	Site Exterior Utilities Replacement (Chilled Water Piping and Valve Replacement)	Gaithersburg
\$300,000	Site Exterior Utilities Replacement (Steam and Condensate Pipe Replacement), Incl Manholes	Gaithersburg
\$200,000	Site Exterior Utilities Replacement (Compressed Air System Extension, Bldgs. 235, 205, 206, 236 & 312)	Gaithersburg
\$600,000	Ductwork Cleaning - General Purpose Laboratories' HVAC Systems (Aging)	Gaithersburg
\$300,000	Site Exterior Utilities Replacement (Storm Water, Sanitary Sewer, Domestic Water, and Natural Gas)	Gaithersburg
\$1,000,000	HVAC Replacement Projects, Building 24 (Anechoic Labs) and Building 2	Boulder
\$370,000	Road & Parking Lot Repaving	Gaithersburg
\$4,000,000	Site Chilled Water Storage System	Gaithersburg
\$500,000	Site Safety Structural Repairs	Gaithersburg
\$300,000	Mechanical Systems Remediation/Replacement (Building Piping and HVAC Systems)	Gaithersburg
\$230,000	Roads - Repairs/Replacements	Boulder
\$214,000	Hazardous Materials Removal	Boulder

**\$16,714,000**

**Notes:** 1. Above projects are in descending of priority.  
2. Project priorities are adjusted when necessary to meet changing demands and/or funding levels.